The listing of claims presented below replaces all prior versions and listing of claims in the application.

Listing of claims

Claims 1-20 (cancel).

- 21. (Withdrawn/Currently Amended) A method of preparing a recombinant adenovirus [[(]]RAdEs[[)]] vaccine (ECACC Accession Number 04121701) to protect against Japanese encephalitis virus (JEV) infection, wherein said vaccine produces secretory envelop protein (Es) of JEV, said method comprising the steps of:
 - a) digesting plasmid pMEs from Japanese encephalitis virus with restriction enzymes *Kpn I* and *Bam HI* to obtain cDNA encoding JEV proteins prM and Es,
 - b) ligating the cDNA to adenovirus shuttle plasmid pShuttle digested with restriction enzymes *Kpn I* and *Hind III* at the *Kpn I* end,
 - c) adding nucleotides at the free *Bam HI* and *Hind III* ends with T 4 DNA polymerase to create blunt ends,
 - d) ligating the blunt ends together to yield shuttle plasmid pSEs with JEV cDNA encoding the proteins prM and Es,
 - e) digesting the shuttle plasmid pSEs with restriction enzymes *I-Ceu* I and *PI-Sce I* to obtain expression cassette containing the JEV cDNA together with the CMV promoter/enhancer and BGH polyadenylation signal,
 - f) ligating the digested shuttle plasmid with *I-Ceu I* and *PI-Sce I* digested adenovirus plasmid pAdeno-X to generate plasmid pAdEs containing Es expression cassette,
 - g) digesting the plasmid pAdEs of SEQ ID NO:1 with Pac I,
 - h) transfecting the monolayers HEK 293 cells with digested plasmid pAdEs for about one week, and
 - i) obtaining the recombinant virus RAdEs vaccine.

- 22. (Withdrawn) A method as claimed in claim 21, wherein the transfection is at about 37°C.
- 23. (Withdrawn) A method as claimed in claim 21, wherein the JEV proteins are under the control of human CMV IE promoter/enhancer.
- 24. (Currently Amended) A recombinant adenovirus [[(]]RAdEs[[)]]immunogenic composition prepared by a method comprising the steps of:
 - a) digesting plasmid pMEs from Japanese encephalitis virus with restriction enzymes *Kpn I* and *Bam HI* to obtain cDNA encoding JEV proteins prM and Es,
 - b) ligating the cDNA to adenovirus shuttle plasmid pShuttle digested with restriction enzymes *Kpn I* and *Hind III* at the *Kpn I* end,
 - c) adding nucleotides at the free *Bam HI* and *Hind III* ends with T 4 DNA polymerase to create blunt ends,
 - d) ligating the blunt ends together to yield shuttle plasmid pSEs with JEV cDNA encoding the proteins prM and Es,
 - e) digesting the shuttle plasmid pSEs with restriction enzymes *I-Ceu* I and *PI-Sce I* to obtain expression cassette containing the JEV cDNA together with the CMV promoter/enhancer and BGH polyadenylation signal,
 - f) ligating the digested shuttle plasmid with *I-Ceu I* and *PI-Sce I* digested adenovirus plasmid pAdeno-X to generate plasmid pAdEs containing Es expression cassette,
 - g) digesting the plasmid pAdEs of SEQ ID NO:1 SEQ ID NO:1 with Pac I,

- h) transfecting the monolayers HEK 293 cells with digested plasmid pAdEs for about one week, and
- i) obtaining the recombinant virus RAdEs composition.
- 25. (Currently Amended) A recombinant adenovirus [[(]]RAdEs[[)]]immunogenic composition a representative sample of RAdEs has been immunogenic composition deposited under ECACC Accession Number 04121701[[)]], said composition comprising JEV Es protein optionally with pharmaceutically acceptable additives.
- 26. (Previously Presented) The composition as claimed in claim 24, wherein the composition produces secretory envelope protein of JEV.
- 27. (Previously Presented) The composition as claimed in claim 25, wherein the composition produces secretory envelope protein of JEV.
- 28. (Canceled)
- 29. (Canceled)
- 30. (Previously Presented) The composition as claimed in claim 24, wherein the composition is in a form for intramuscular route of administration.
- 31. (Previously Presented) The composition as claimed in claim 25, wherein the composition is in a form for intramuscular route of administration.
- 32. (Previously Presented) The composition as claimed in claim 25, wherein the additives are selected from alum, gelatin and thiomersal.
- 33. (Currently Amended) A plasmid pAdEs of SEQ ID NO:1 SEQ ID NO:1.

- 34. (Withdrawn) A method of immunizing a subject against Japanese encephalitis virus comprising administering a vaccine according to claim 24 to the subject in need thereof.
- 35. (Withdrawn) A method of immunizing a subject against Japanese encephalitis virus comprising administering a vaccine according to claim 25 to the subject in need thereof.
- 36. (Withdrawn) The method according to claim 34 to protect the subject from encephalitis.
- 37. (Withdrawn) The method according to claim 35 to protect the subject from encephalitis.
- 38. (Withdrawn) The method according to claim 34 wherein the subject is an animal or human.
- 39. (Withdrawn) The method according to claim 35 wherein the subject is an animal or human.
- 40. (Withdrawn) The method according to claim 34 wherein the vaccine activates both humoral and cell-mediated immune response.
- 41. (Withdrawn) The method according to claim 35 wherein the vaccine activates both humoral and celt-mediated immune response.
- 42. (Withdrawn) The method according to claim 40 wherein the humoral response to the vaccine comprises IgGI type of antibody.
- 43. (Withdrawn) The method according to claim 41 wherein the humoral response to the vaccine comprises IgGI type of antibody.

- 44. (Withdrawn) The method according to claim 34 wherein the vaccine leads to high amount of IFN gamma secretion.
- 45. (Withdrawn) The method according to claim 35 wherein the vaccine leads to high amount of IFN gamma secretion.
- 46. (Withdrawn) The method according to claim 34 wherein the vaccine leads to moderate levels of IL -5 synthesis.
- 47. (Withdrawn) The method according to claim 35 wherein the vaccine leads to moderate levels of IL -5 synthesis.
- 48. (Withdrawn) The method according to claim 34 wherein increased amount of the vaccine leads to higher immune response.
- 49. (Withdrawn) The method according to claim 35 wherein increased amount of the vaccine leads to higher immune response.